

### ABSTRACT

5     A fluorinated polymer having a polydispersity index  
     (Mw/Mn) of 1-1.20 can be prepared by subjecting an aromatic  
monomer having trifluoromethyl groups and acid labile groups  
to living anion polymerization. The fluorinated polymer is  
suitable for use in chemically amplified resist compositions  
having sensitivity to ultraviolet radiation.